

CRP-RA21-50

INDUSTRIAL ROBOT HANDLING APPLICATION



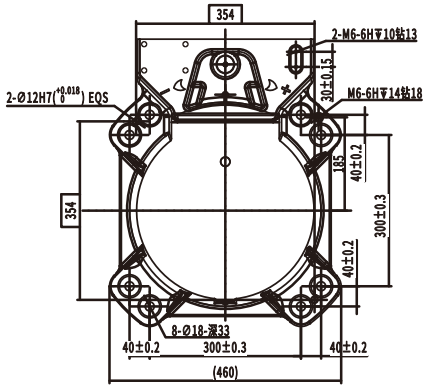
FUNCTIONAL FEATURES

- Arm span of 2.13m, strong load capacity, large working range and high flexibility.
- Fast operation speed, repeated positioning accuracy, suitable for handling, assembly, grinding and other scenarios.
- Built-in cables and trachea to reduce external interference, more convenient for customers to use and improve operation efficiency.
- The safety emergency stop board independent of the control system is configured, and the imported forced disconnect relay is adopted to provide double-circuit emergency stop to ensure the reliability of emergency stop.
- Built-in three-phase filter to effectively isolate external interference and prevent internal interference output.
- The body provides dual air pipes to meet the needs of transportation.

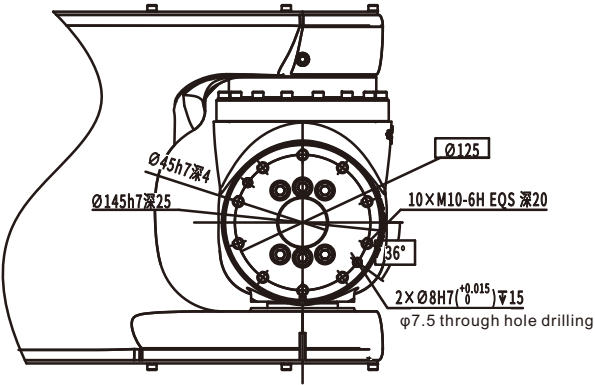
ROBOT BODY TECHNICAL PARAMETERS

Model		CRP-RA21-50
Arm form		Vertical multiple joints
Degree of freedom		6 axis
Maximum payload		50kg
Maximum coverage		2130mm
Maximum travel	Axis 1	-180°~180°
	Axis 2	-140°~92°
	Axis 3	-87°~135°
	Axis 4	-360°~360°
	Axis 5	-125°~125°
	Axis 6	-360°~360°
Maximum speed	Axis 1	175°/S
	Axis 2	175°/S
	Axis 3	180°/S
	Axis 4	220°/S
	Axis 5	250°/S
	Axis 6	340°/S
Allowable torque	Axis 4	240N.m
	Axis 5	240N.m
	Axis 6	135N.m
Allowable moment of inertia	Axis 4	27kg.m ²
	Axis 5	27kg.m ²
	Axis 6	11kg.m ²
Repeated positioning accuracy		±0.05mm
Robot body weight		560kg
Installation mode		Formal, inverted, wall mounting
Body interface	Reserved IO	26Pin
	Reserved gas	2*φ10mm
Installation environment	Ambient temperature	0~45°C
	Relative humidity	20%~80%RH(No condensation)
	Vibration	Under 0.5G
	Others	Robot installation must be away from: flammable or corrosive liquids or gases, electrical sources of interference
IP level		Body IP54, Wrist IP67
Advantage features		Compact structure, high speed, high precision, high expansibility and easy operation
Application		Handling, palletizing, polishing
Matching electrical cabinet		G15A

INSTALLATION INTERFACE DIAGRAM



Mounting dimensions of the base



Flange size

WORKING RANGE DIAGRAM

